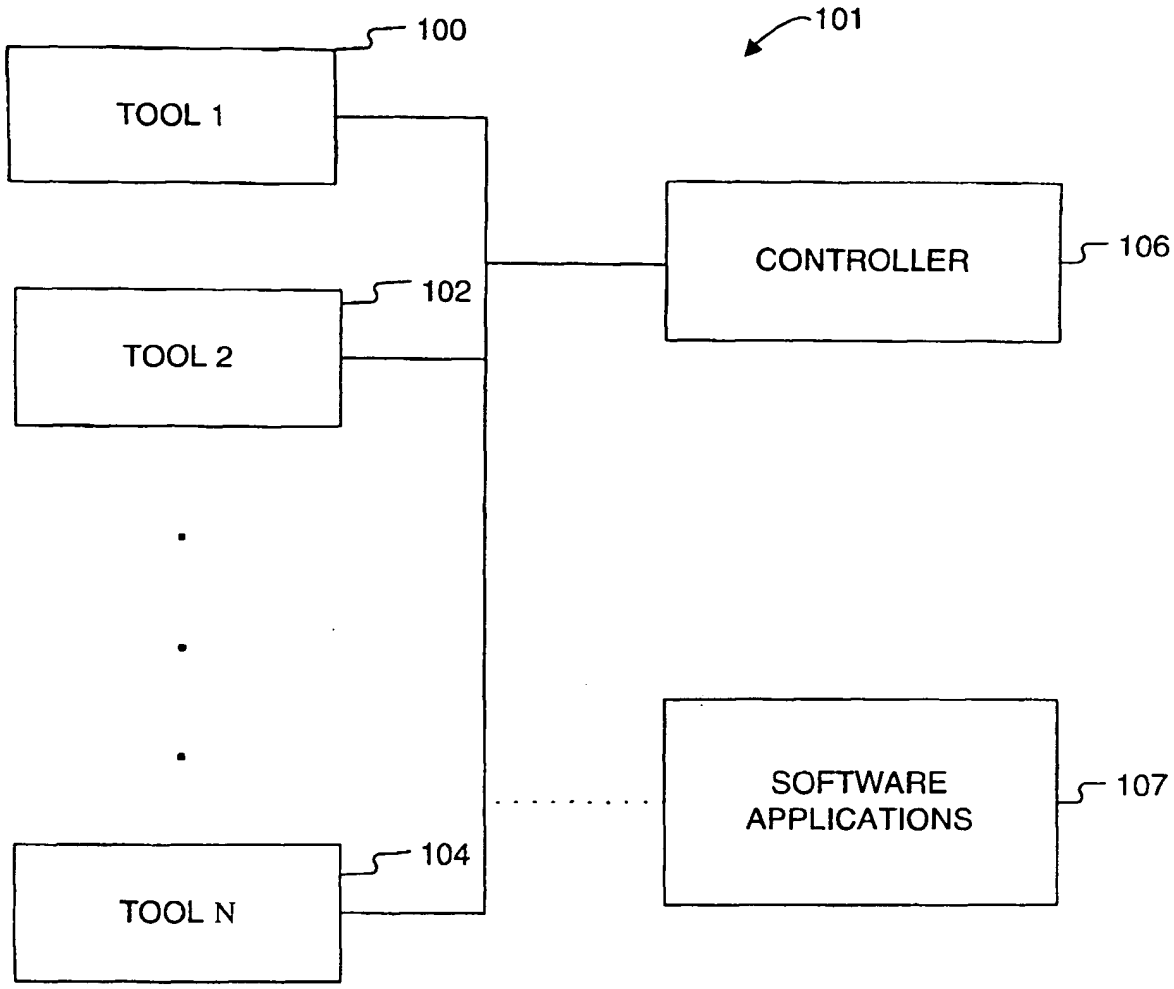
09627444 - 061301



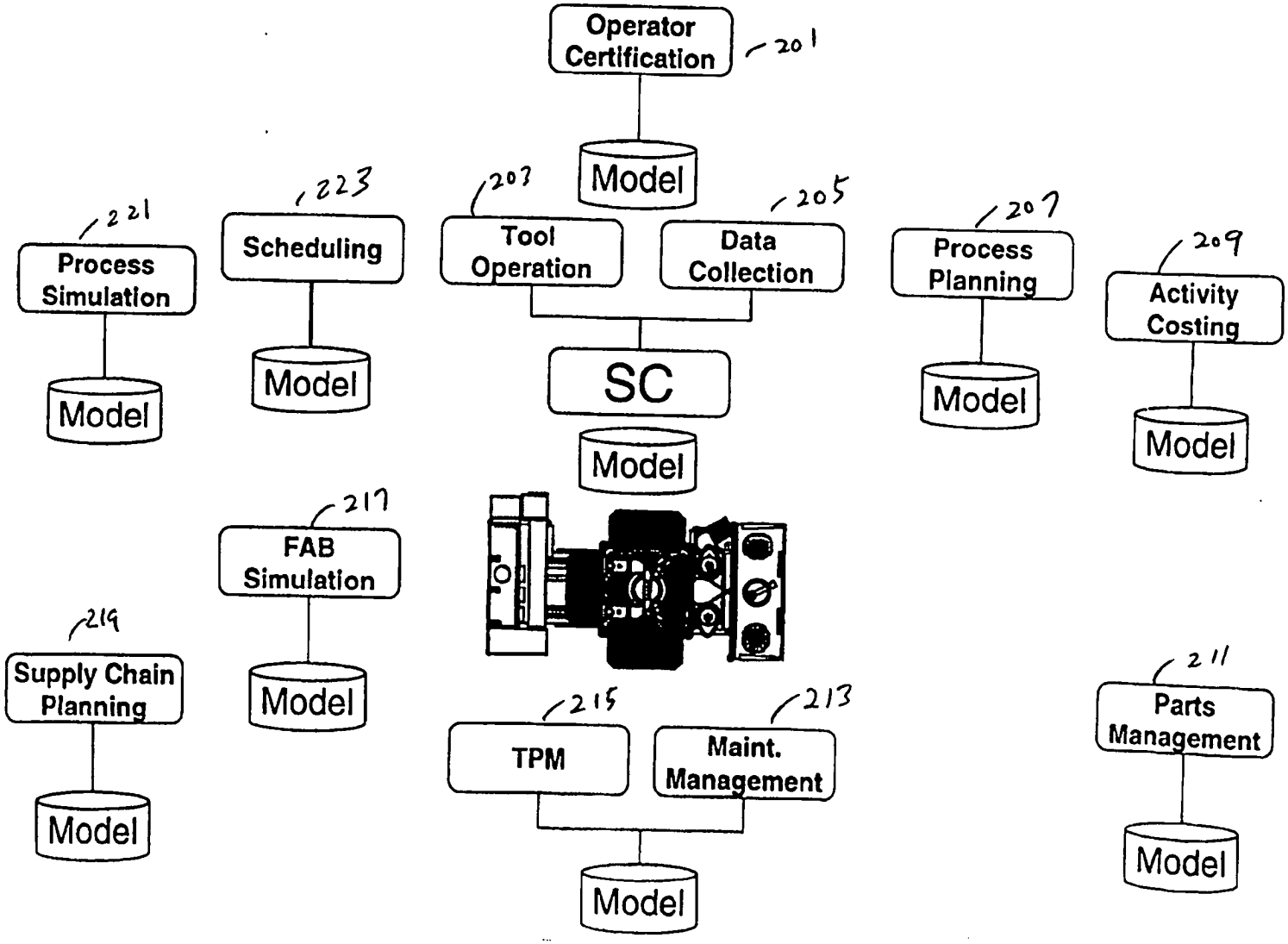
(Prior Art)

FIG. 1

CONTROLLER/SOFTWARE APPLICATIONS

(PRIOR ART)

FIG. 2



09534449.061301

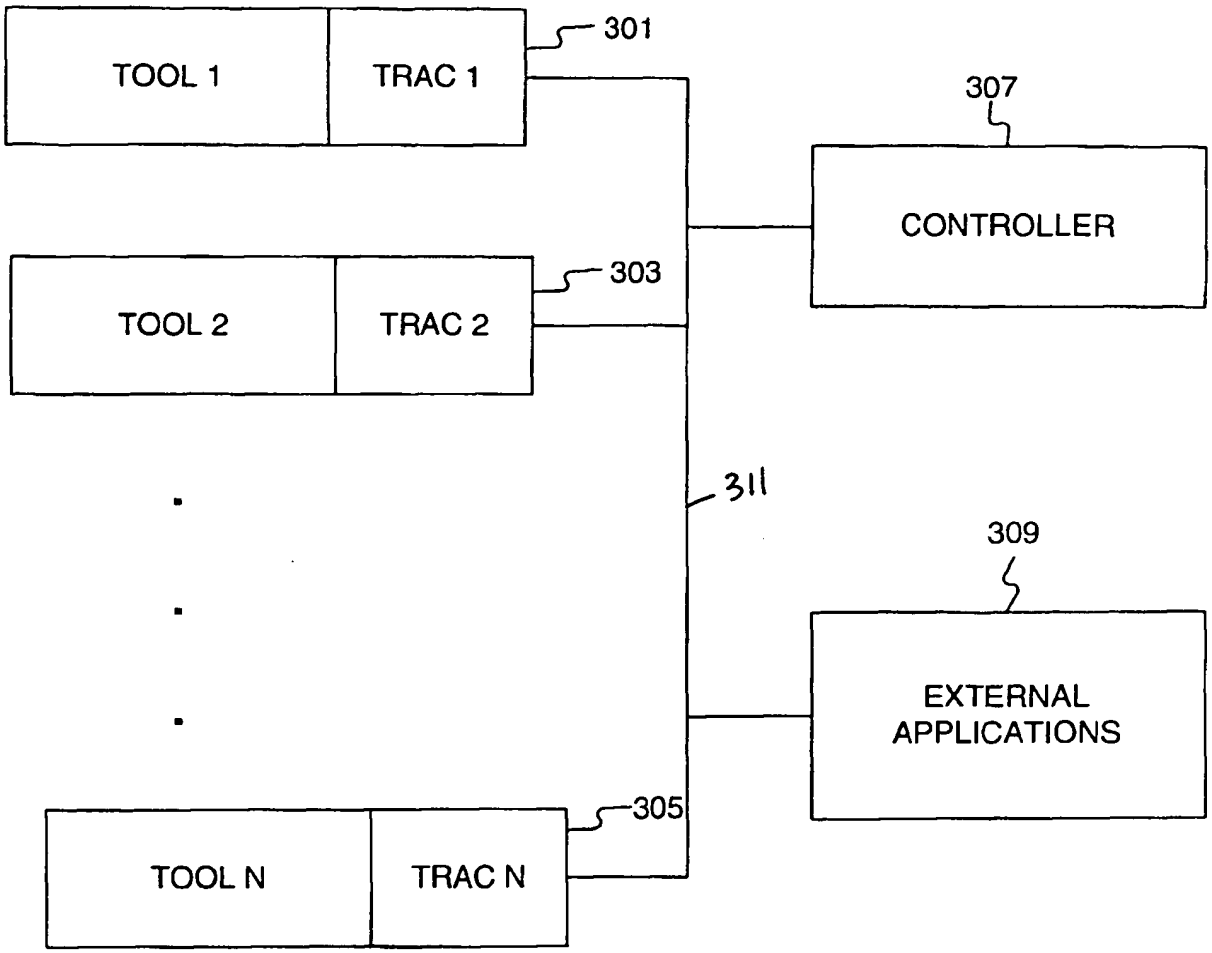


FIG. 3

09/444,250 - 10/25/01

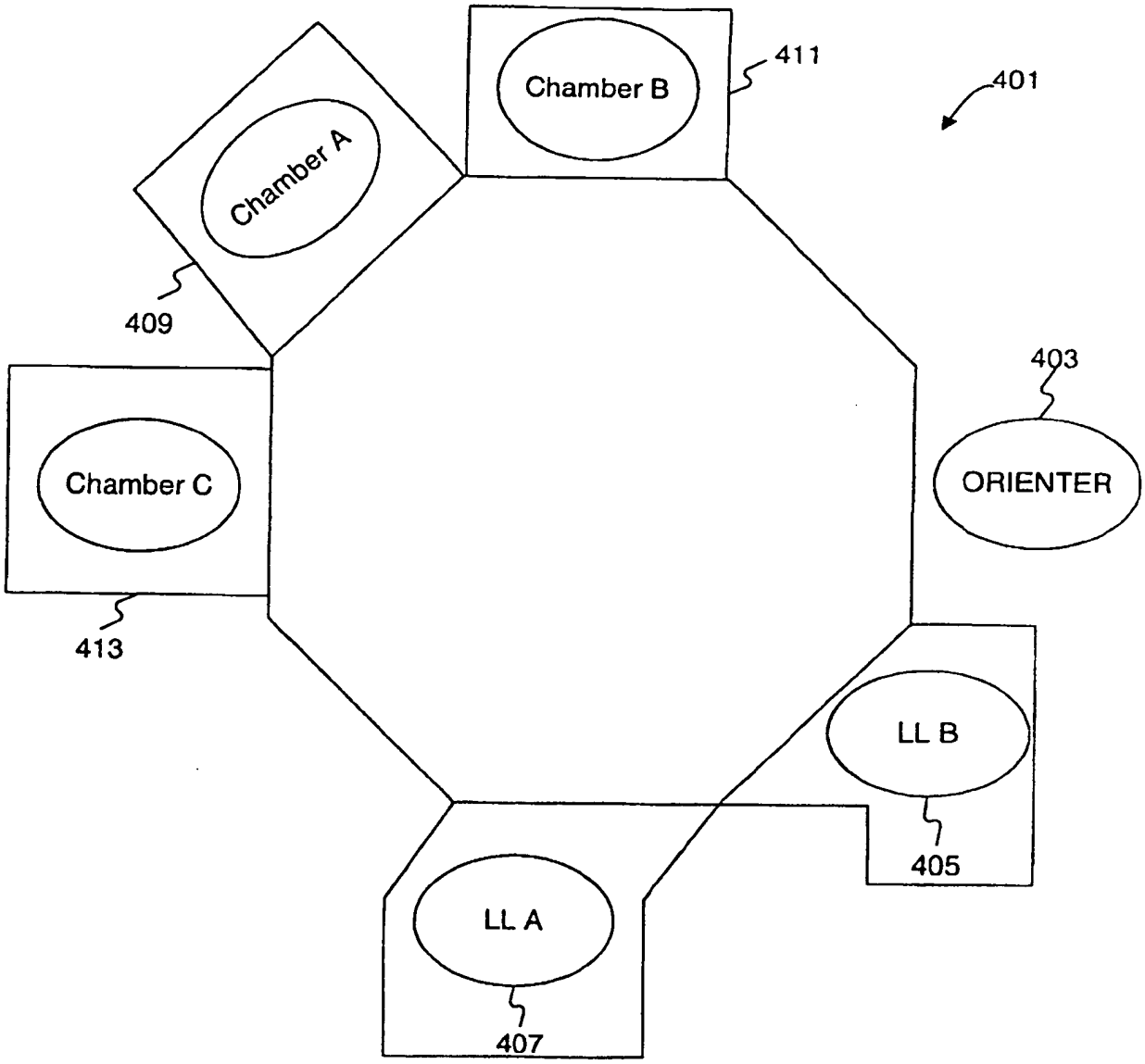


FIG. 4

09274444.061301

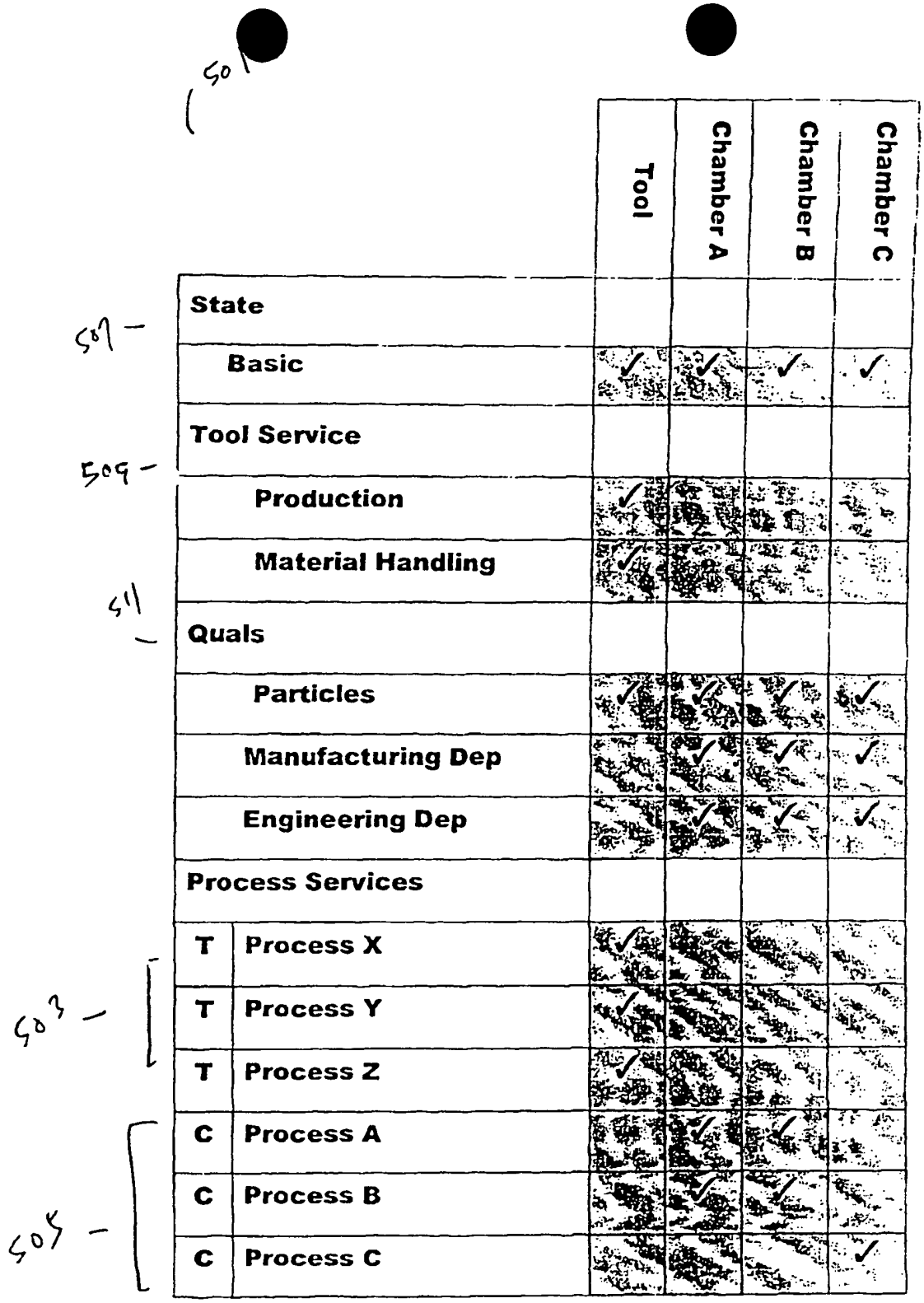


FIG. 5

FIG. 6

601

QoS - Cpk		Tool	Chamber A	Chamber B	Chamber C
Process Services					
	Process X				
	Process Y				
	Process Z				
	Process A		2.1	2.16	
	Process B		3.03	3.21	
	Process C				4.16

FIG. 7

701

QoS - Proc. Time		Tool	Chamber A	Chamber B	Chamber C
Process Services					
	Process X				
	Process Y				
	Process Z				
	Process A		42	43	
	Process B		36	41	
	Process C				130

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QoS - CPK		Tool 1	Tool 2	Tool 3	Tool 4
Process Services					
	Process X	2.35	2.1	2.16	X
	Process Y	3.41	3.03	3.21	X
	Process Z	X	4.19	4.21	4.16

FIG. 8

0602-4444-0630

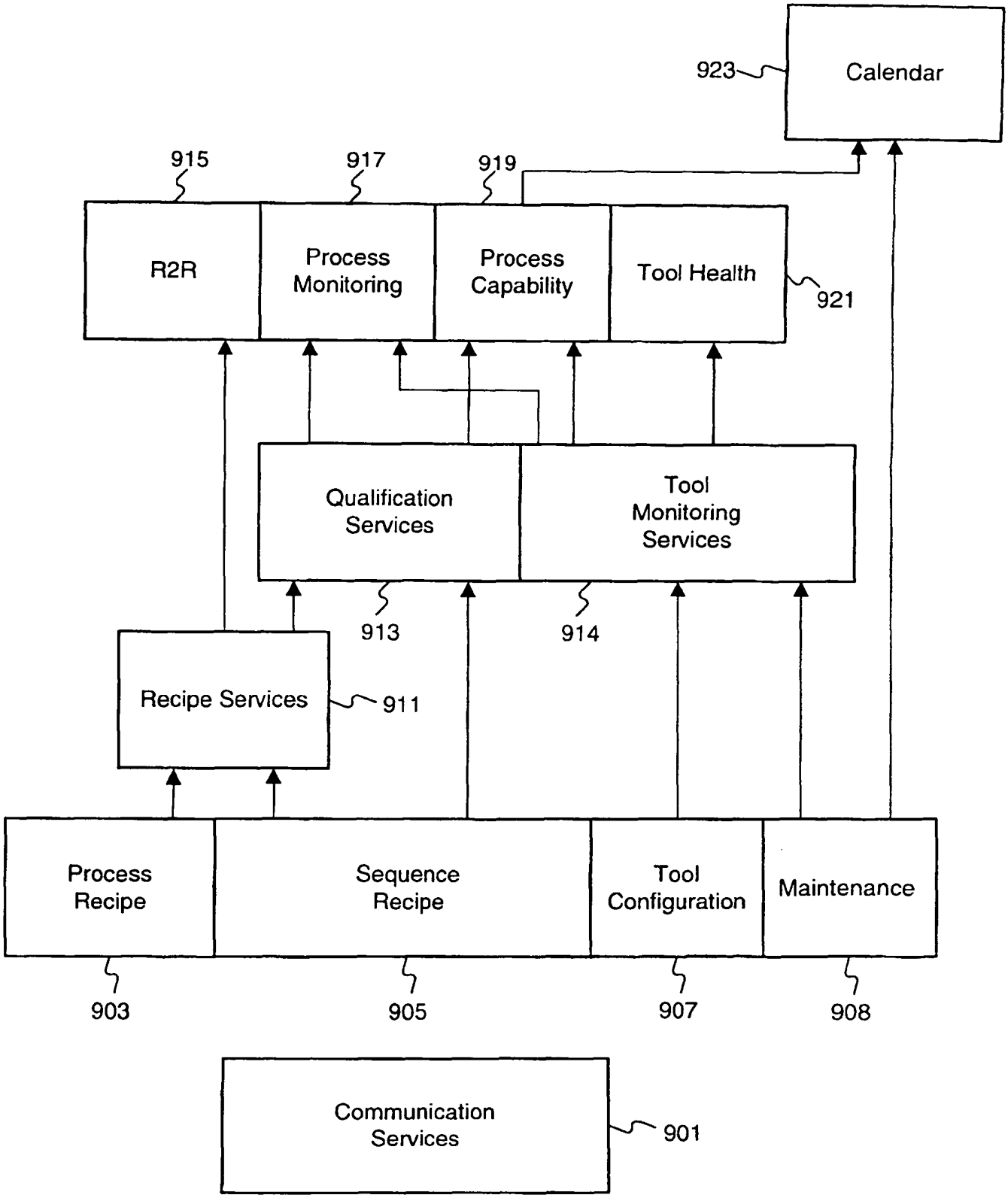


FIG. 9

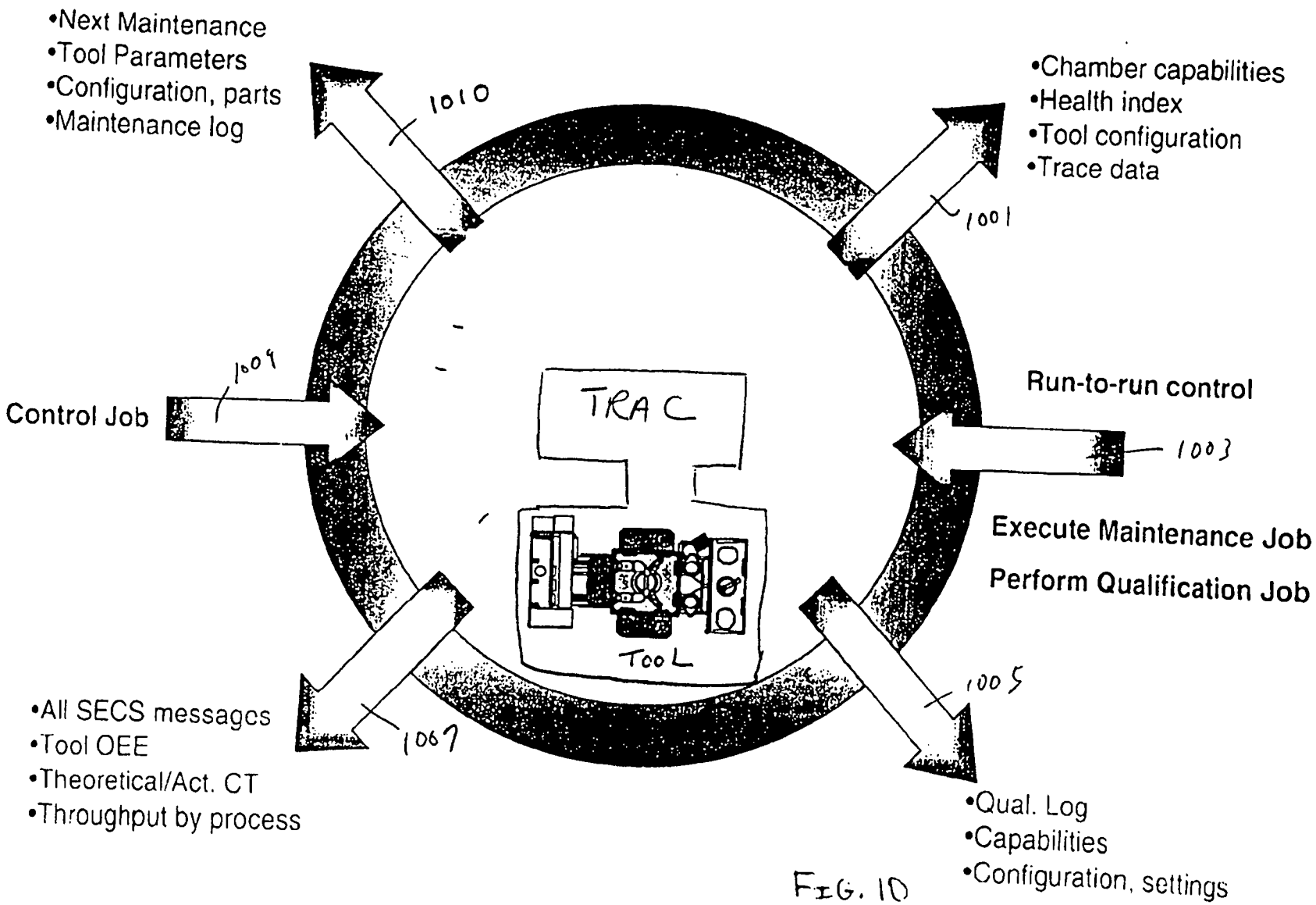
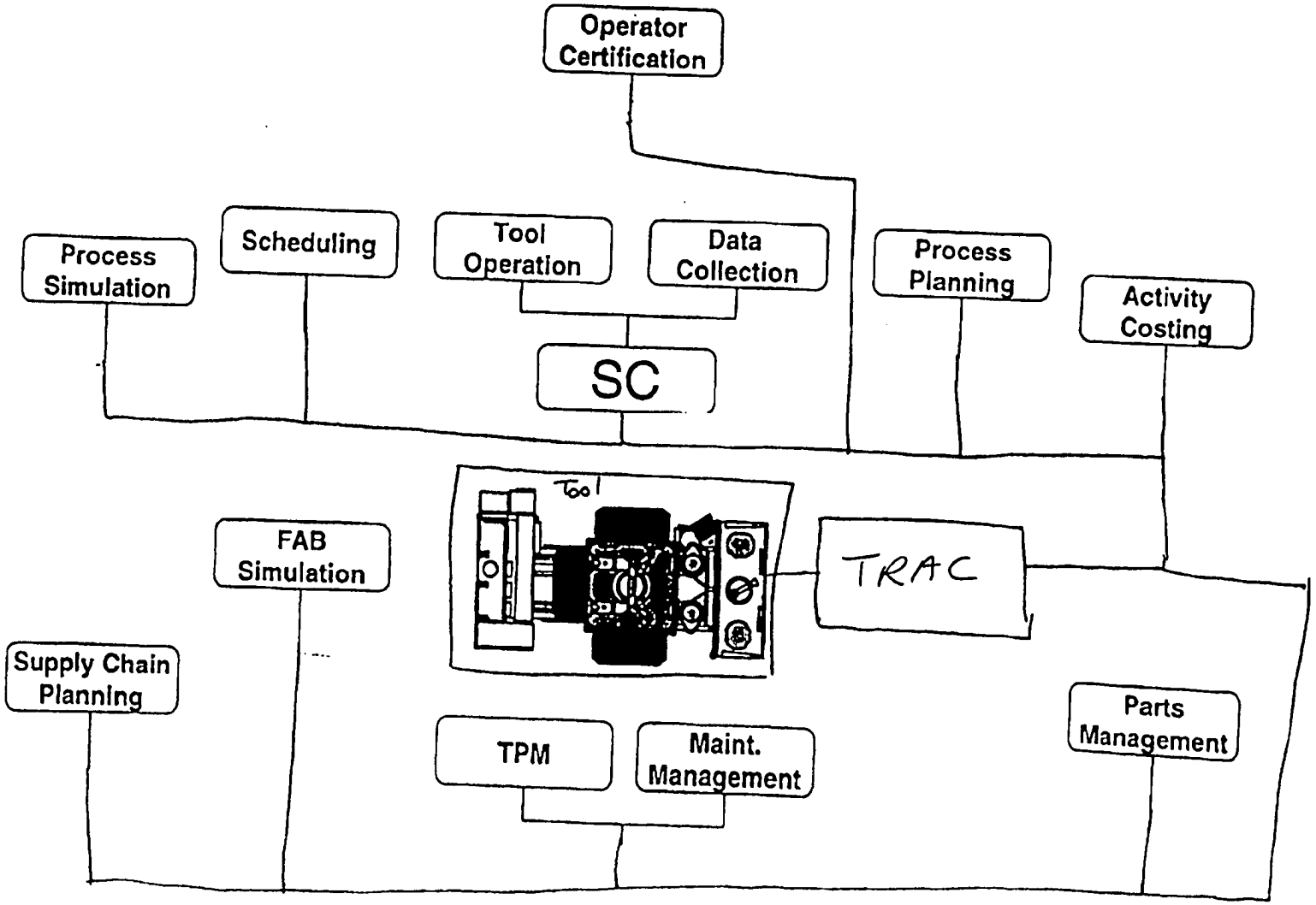

•Next Maintenance
•Tool Parameters
•Configuration, parts
•Maintenance log
1010
•Chamber capabilities
•Health index
•Tool configuration
•Trace data
1001
1009
Control Job
TRAC
Run-to-run control
1003
Execute Maintenance Job
Perform Qualification Job
TOOL
1005
•All SECS messages
•Tool OEE
•Theoretical/Act. CT
•Throughput by process
1007
•Qual. Log
•Capabilities
•Configuration, settings

FIG. 10

TOET80" thth2660

Fig 11

CONTROLLER/SOFTWARE APPLICATIONS



Doc Search: Doc 1

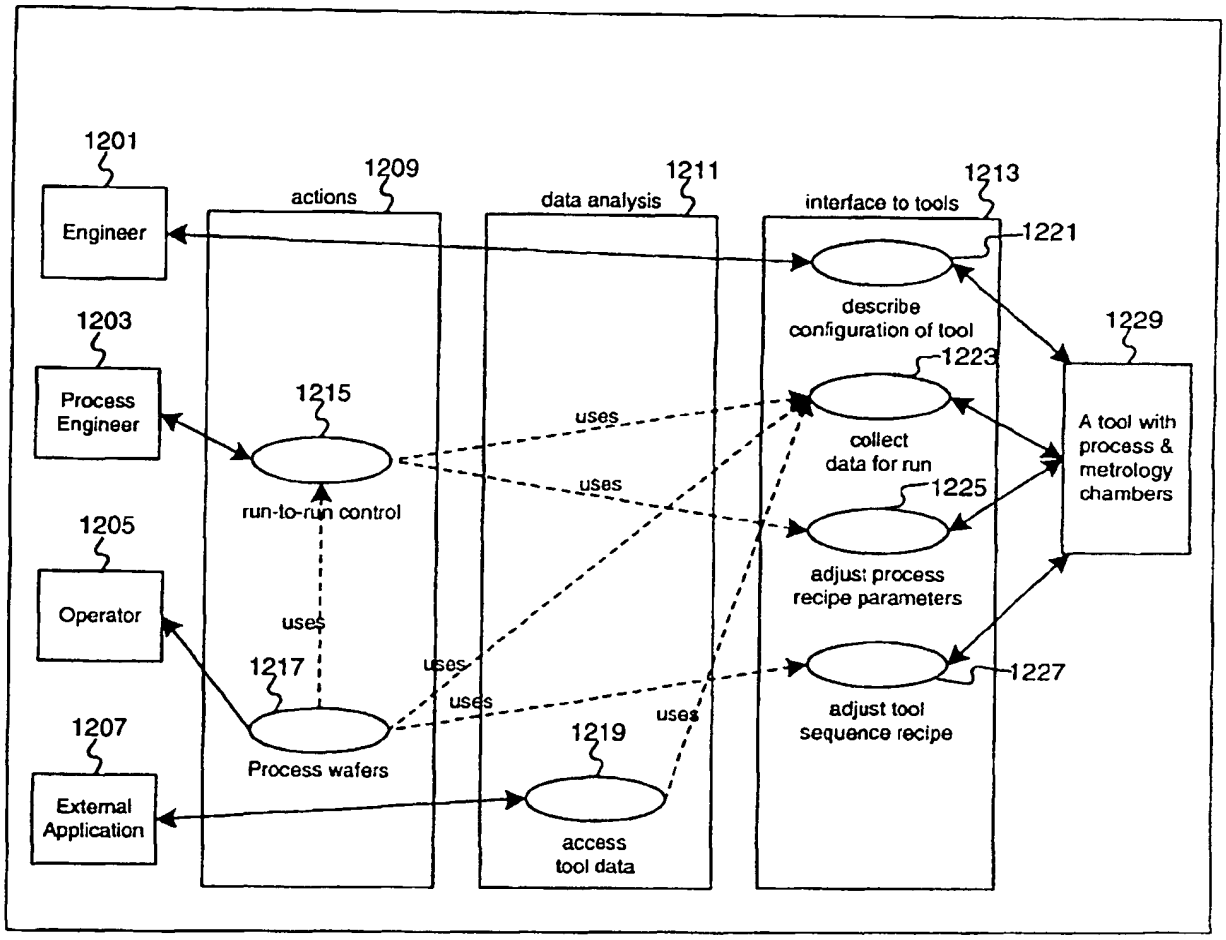


FIG. 12

P05750-1999 0960704

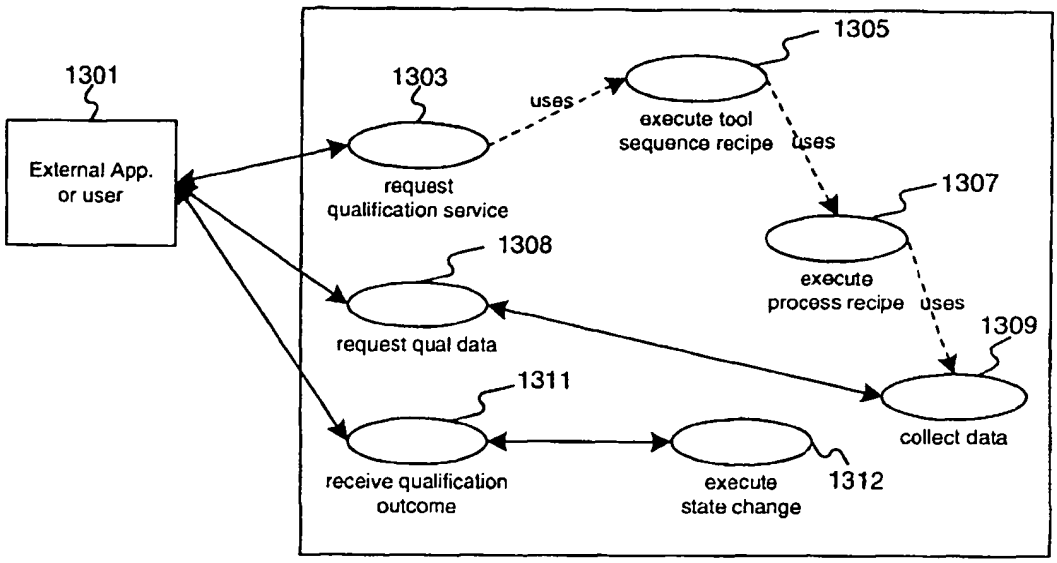


FIG. 13

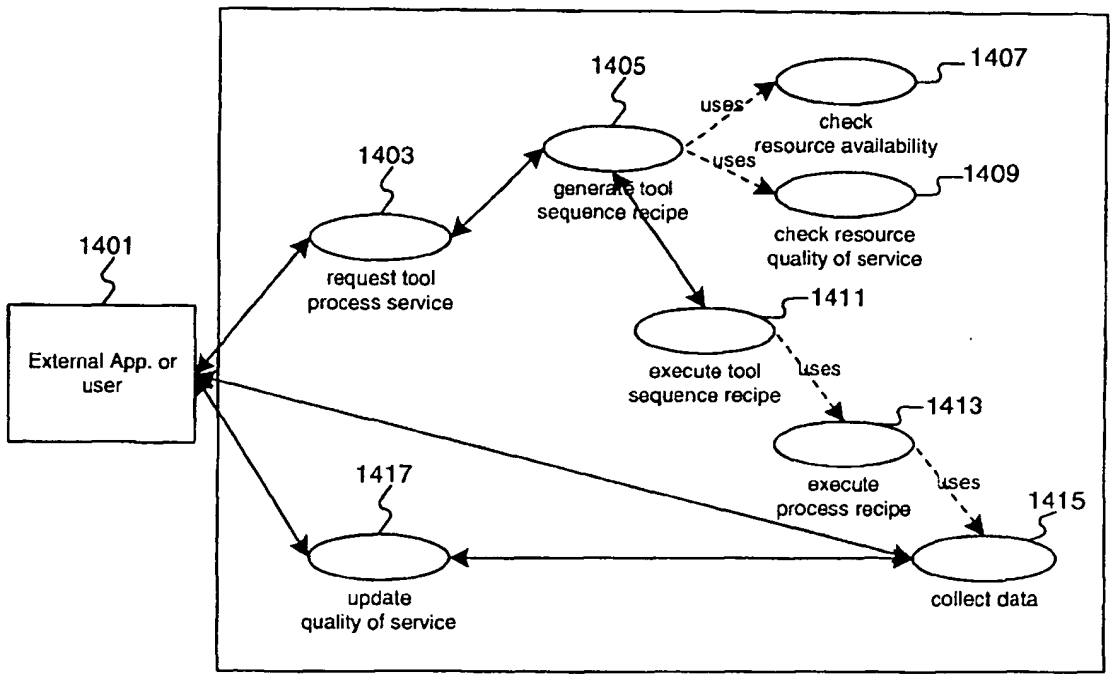

1401
External App. or user
1403
request tool process service
1405
generate tool sequence recipe
uses
uses
1407
check resource availability
1409
check resource quality of service
1411
execute tool sequence recipe
uses
1413
execute process recipe
uses
1415
collect data
1417
update quality of service

FIG. 14

Docket # 0325-0301

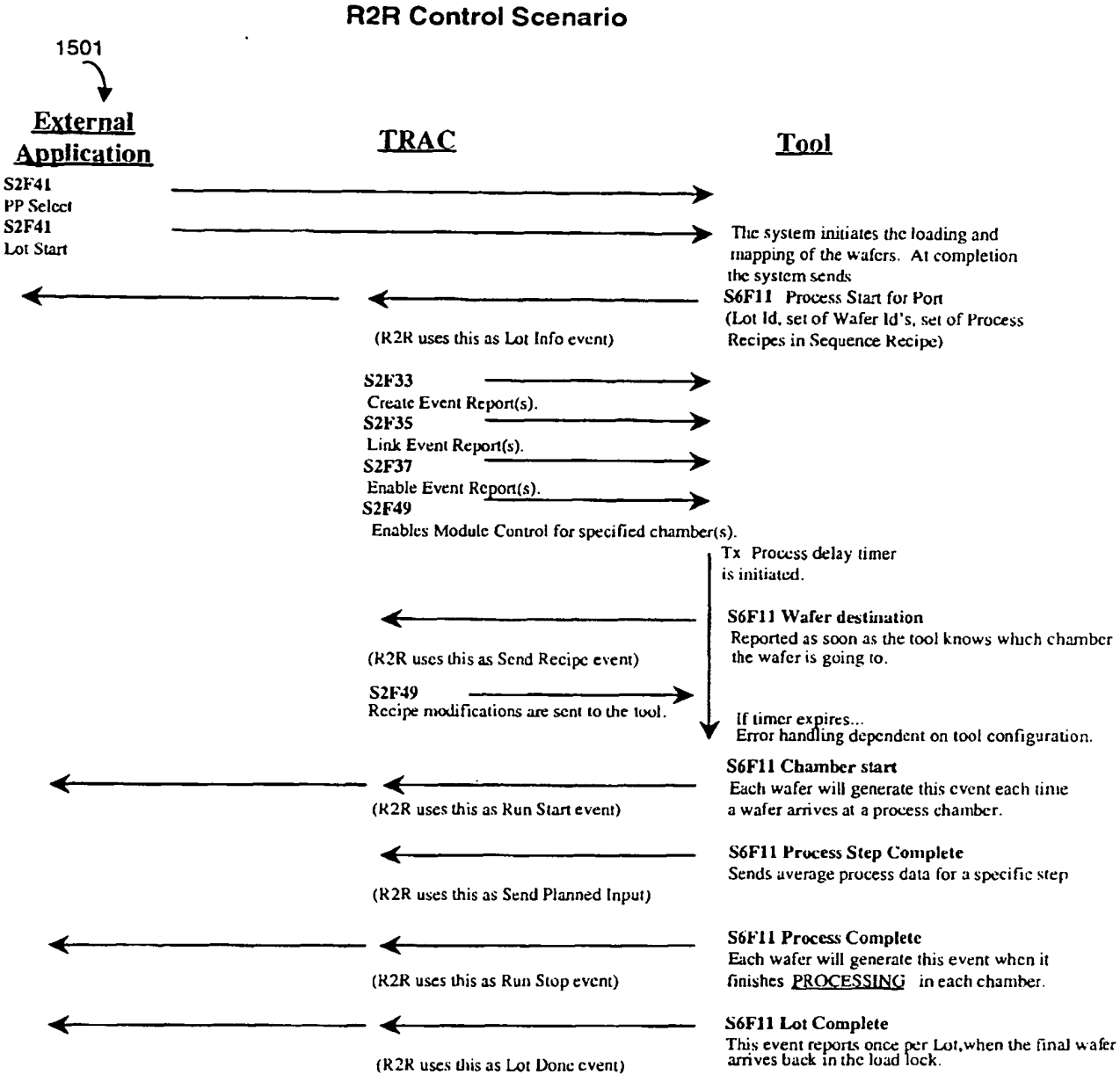


FIG. 15

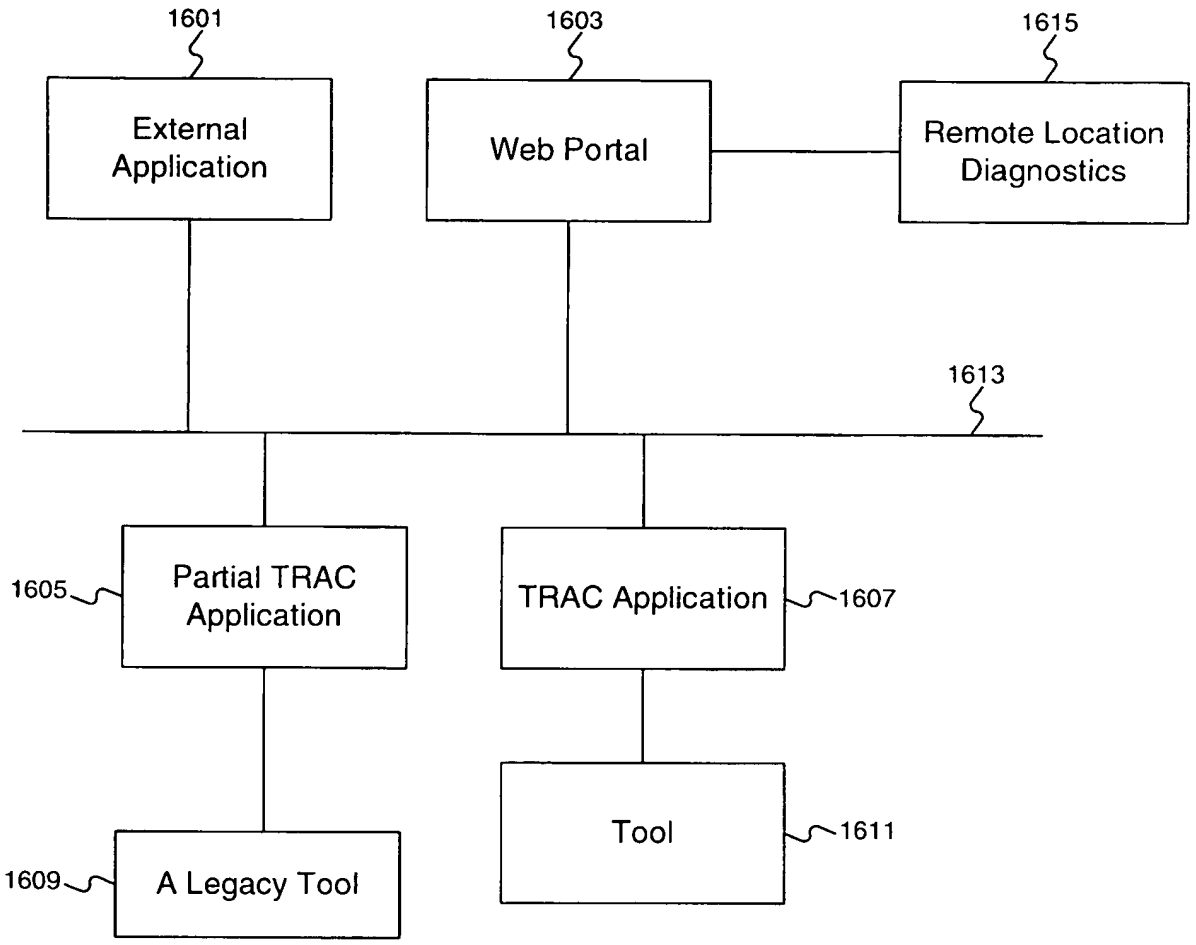

1601
External Application
1603
Web Portal
1615
Remote Location Diagnostics
1613
1605
Partial TRAC Application
TRAC Application
1607
1609
A Legacy Tool
Tool
1611

FIG. 16(a)

09274444.061301

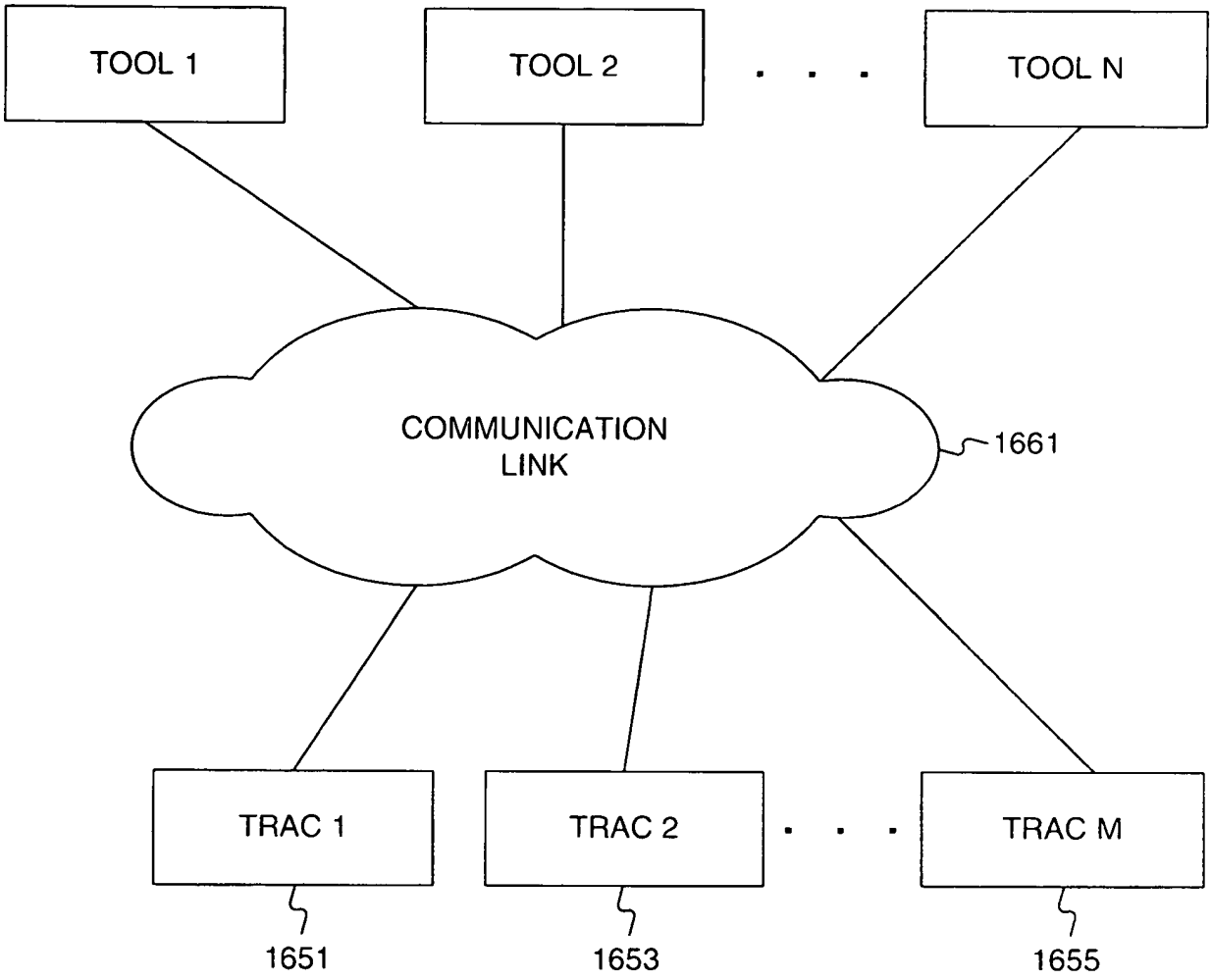


FIG. 16(b)

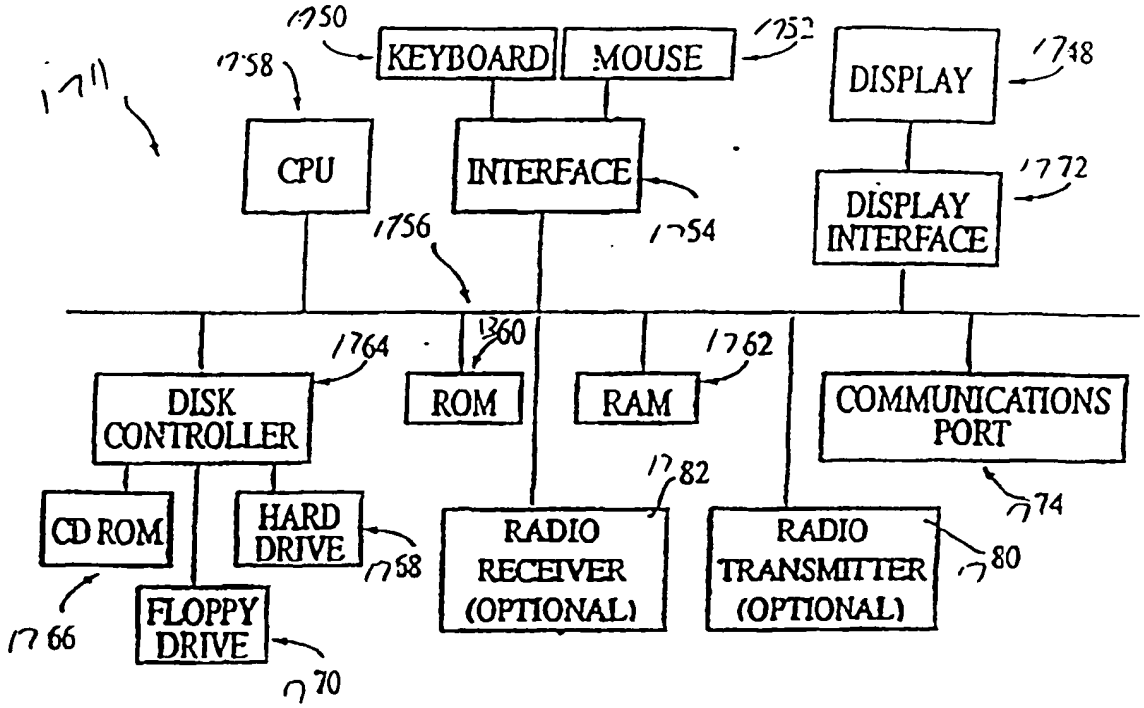

1750
KEYBOARD
MOUSE
1752
1748
DISPLAY
1758
1711
CPU
INTERFACE
1754
1772
DISPLAY INTERFACE
1756
1764
1760
1762
DISK CONTROLLER
ROM
RAM
COMMUNICATIONS PORT
1782
CD ROM
HARD DRIVE
1758
RADIO RECEIVER (OPTIONAL)
RADIO TRANSMITTER (OPTIONAL)
1774
1780
1766
FLOPPY DRIVE
1770

FIG. 17

09527444-061301

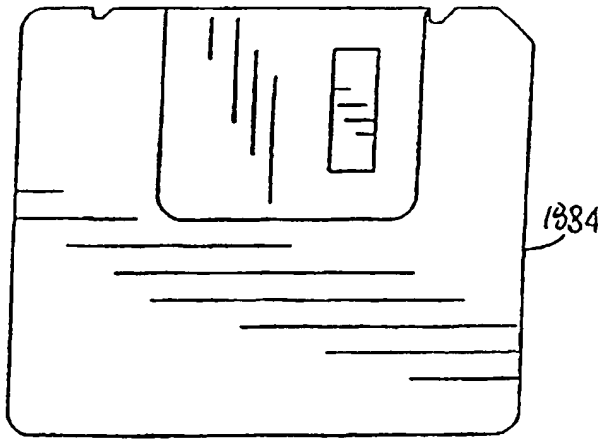


FIG. 18